UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING	G DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/518,704	8,704 12/17/2004		Tetsuo Yamada	930055-2031	5674
Ronald R Santi	7590	05/18/2007		EXAM	INER
Frommer Lawr	ence & Har	ug	BUDD, MARK OSBORNE		
745 Fifth Aven New York, NY			ART UNIT	PAPER NUMBER	
11011 1011, 111	10.01		·	2834	
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				MAIL DATE	DELIVERY MODE
				05/18/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

1)⊠ Responsive to communication(s) filed on <i>Q2 May 2007</i> . 2a)☐ This action is FINAL. 2b)☐ This action is non-final. 3)⊠ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4)☑ Claim(s) <i>1-19 and 37-74</i> is/are pending in the application. 4a) Of the above claim(s) <i>46 and 47</i> is/are withdrawn from consideration. 5)☑ Claim(s) <i>1-19 37-45 and 48-74</i> is/are allowed. 6)☐ Claim(s) is/are objected to. 8)☐ Claim(s) is/are objected to. 8)☐ Claim(s) is/are objected to by the Examiner. 10)☐ The drawing(s) filed on is objected to by the Examiner. Application Papers 9)☐ The specification is objected to by the Examiner. 10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12]☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)☐ All b)☐ Some * c)☐ None of: 1.☐ Certified copies of the priority documents have been received in Application No. 2.☐ Certified copies of the priority documents have been received in Application No. 3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.	· · · · · · · · · · · · · · · · · · ·		Application No.	Applicant(s)					
Mark Budd 2834			10/518,704	YAMADA ET AL.					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Eatherions of term may be available under the provision of 37 CFR 1.130(in no event, however, may a reby be simely field after SIX (8) MONTHS from the mailing date of this communication of 37 CFR 1.130(in no event, however, may a reby be simely field after SIX (8) MONTHS from the mailing date of this communication. Failun to reply within the soft or dendered period for rigid, by a studie, such the spotiations be corrected part of from give they always and a patient than adjustment. See 37 CFR 1.73(ii). Status 1) ② Responsive to communication(s) filled on 02 May 2007. 2a) ☐ This action is FINAL. 2b) ☐ This action is non-final. 3) ② Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) ② Claim(s) 1-19 and 37-74 is/are pending in the application. 4) ② Claim(s) 1-19 and 37-74 is/are pending in the application. 4) ② Claim(s) 1-19 3-745 and 48-74 is/are withdrawn from consideration. 5) ② Claim(s) 1-19 3-745 and 48-74 is/are withdrawn from consideration. 5) ② Claim(s) 1-19 3-745 and 48-74 is/are withdrawn from consideration. 6) ☐ Claim(s) 1-19 3-745 and 48-76 is/are withdrawn from consideration. 7) ☐ Claim(s) 1-19 3-745 and 48-76 is/are withdrawn from consideration. 8) ☐ Claim(s) 1-19 3-745 and 48-76 is/are withdrawn from consideration. 9) ☐ The specification is objected to by the Examiner. 10) ☐ The drawing(s) filled on 1 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawning(s) be held in abeyance. See 37 CFR 1.121(d). 11) ☐ The cath or declaration is objected to by the Examiner. Note the attach		Office Action Summary	Examiner	Art Unit					
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WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provision of 37 CPR 1.136 (b). In no event, however, may a ruph by termely find sher SIX (6) MONTHS from the mailing date of this communication. If NO period for ruphy is specified above, the mainimum stulation previous will apply and will apply and the state SIX (6) MONTHS from the mailing date of this communication. If NO period for ruphy is specified above, the mainimum stulation previous and state state than three months after the mailing date of this communication, even if timely filled, may reduce any sentence patent term adjustment. Sea 37 CFR 1.704(b). Status 1) ☑ Responsive to communication(s) filled on 02 May 2007. 2a ☐ This action is FINAL. 2b ☐ This action is non-final. 3) ☑ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) ☑ Claim(s) 1-19 and 37-74 is/are pending in the application. 4a) Of the above claim(s) 46 and 47 is/are allowed. 5) ☑ Claim(s) 1-19 37-45 and 48-74 is/are allowed. 6) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) is/are objected to by the Examiner. Application Papers 9) ☐ The specification is objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.55(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * ○ ☐ None of: 1. ☐ Certified copies of the priority documents have been received in Application No. ☐ Opies of the certified copies of the priority documents have been received in th			ears on the cover sheet with the c	orrespondence address					
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Application/Control Number: 10/518,704

Art Unit: 2834

Claims 1-19, 37-45 and 48-74 are allowed.

Aapplicant must cancel not elected claims 46 and 47 or take other appropriate action. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark Budd whose telephone number is 571-272-2019. The examiner can normally be reached on Mmonday-Thursday from 6 a.m. to 4 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg, can be reached on 571-272-2044. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Primary Examiner
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